1 Simulation Results

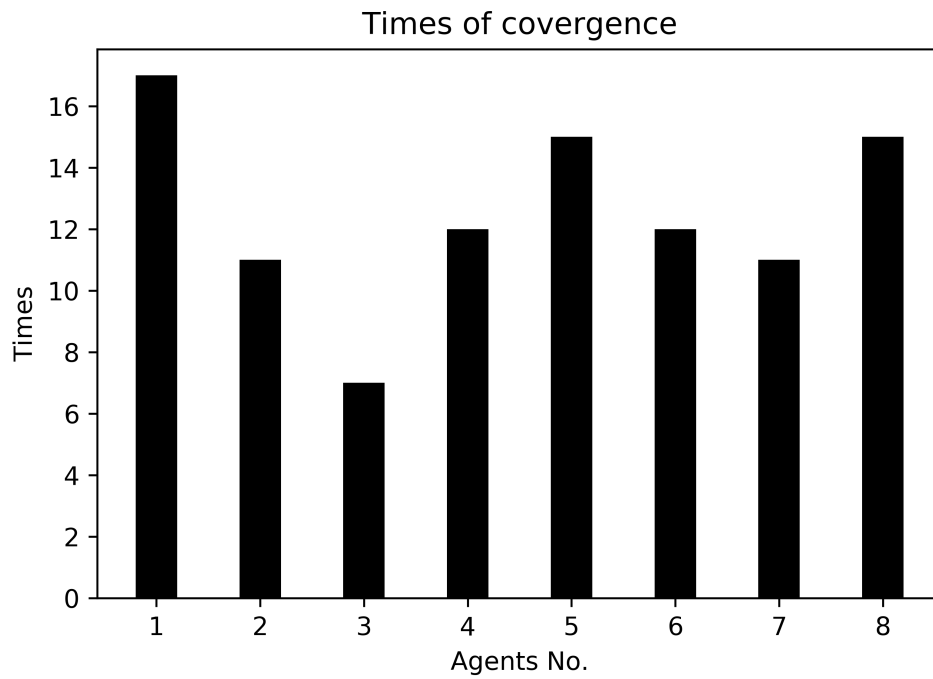## 1.1 50_3_800_100

Time used: $71.66908250172764s$

Figure 1: Where the iterations converge
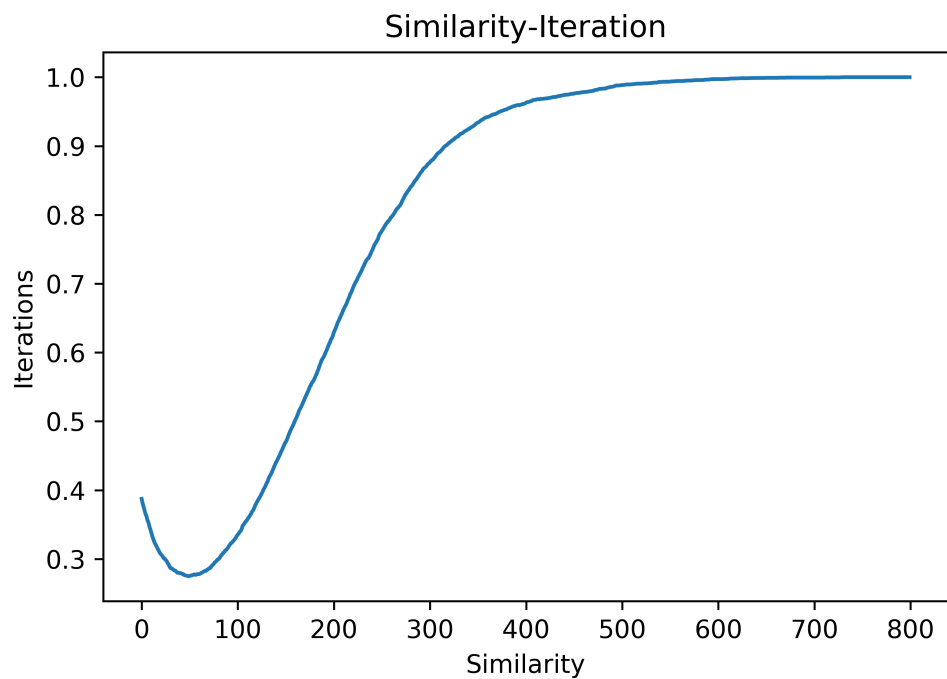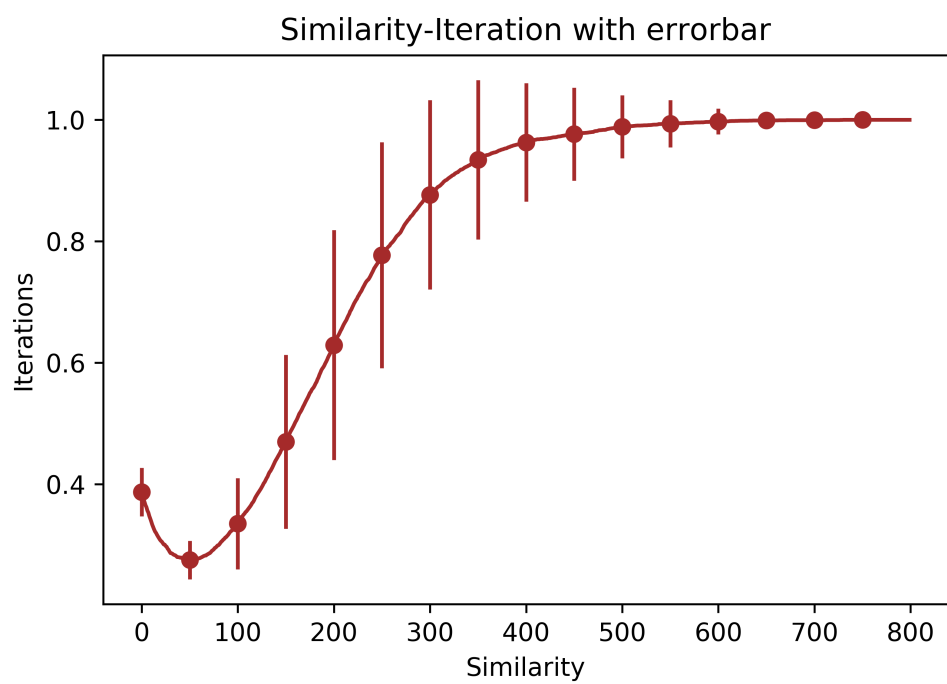
Figure 2: Similarity

Figure 3: Similarity with error bar
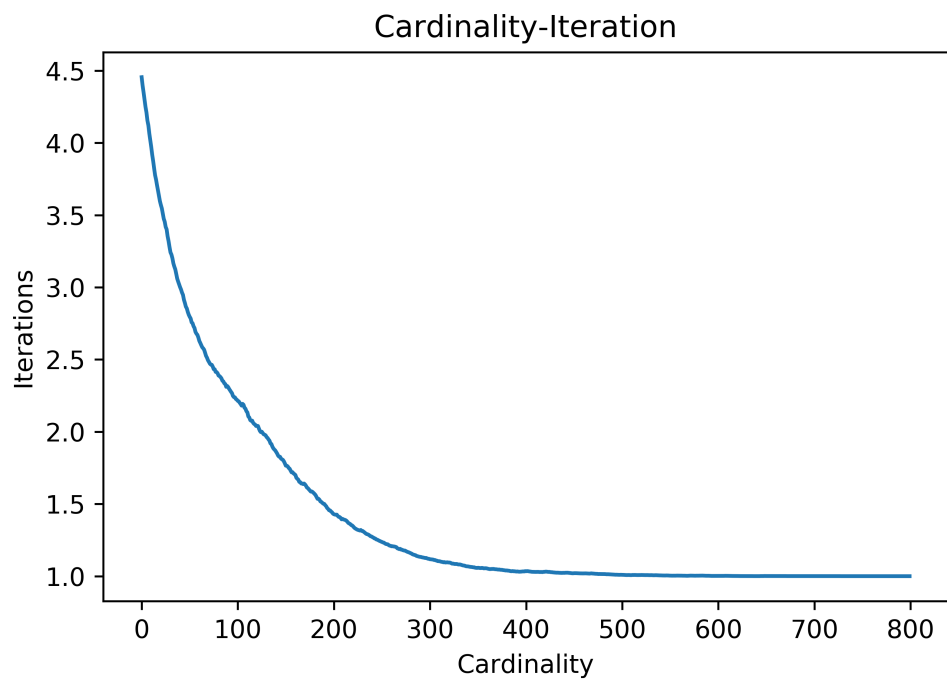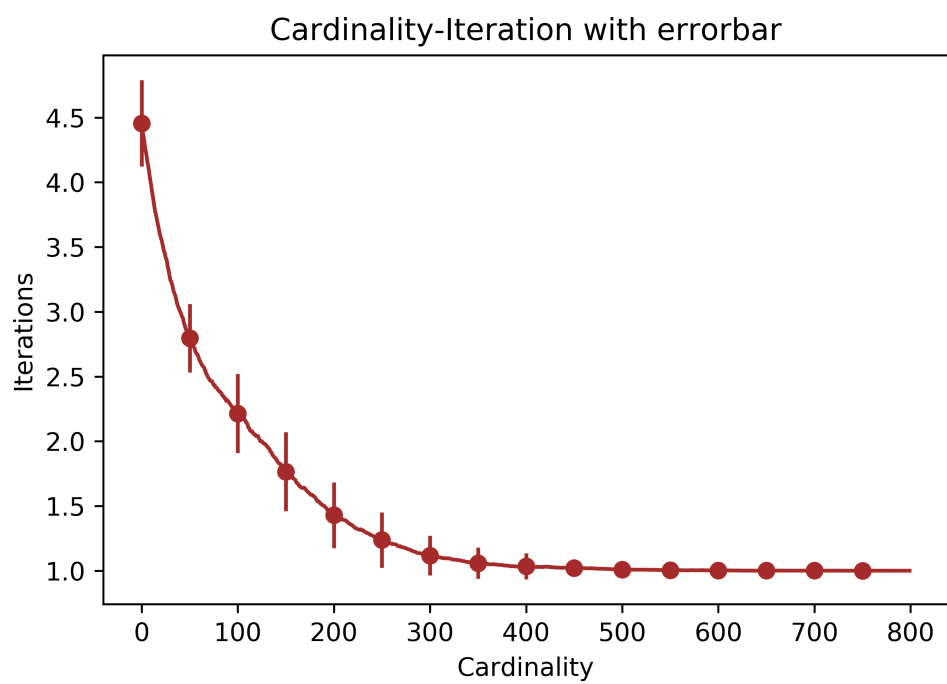
Figure 4: Cardinality

Figure 5: Cardinality with error bar

1.2   50_4_1000_100

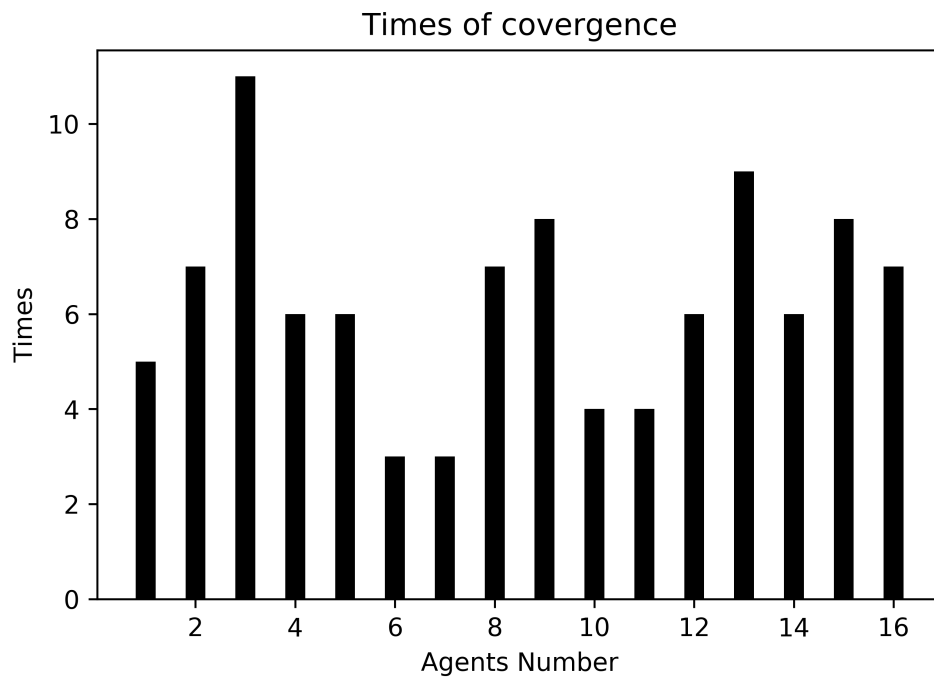Time used: $87.256231800553s$

Figure 6: Where the iterations converge
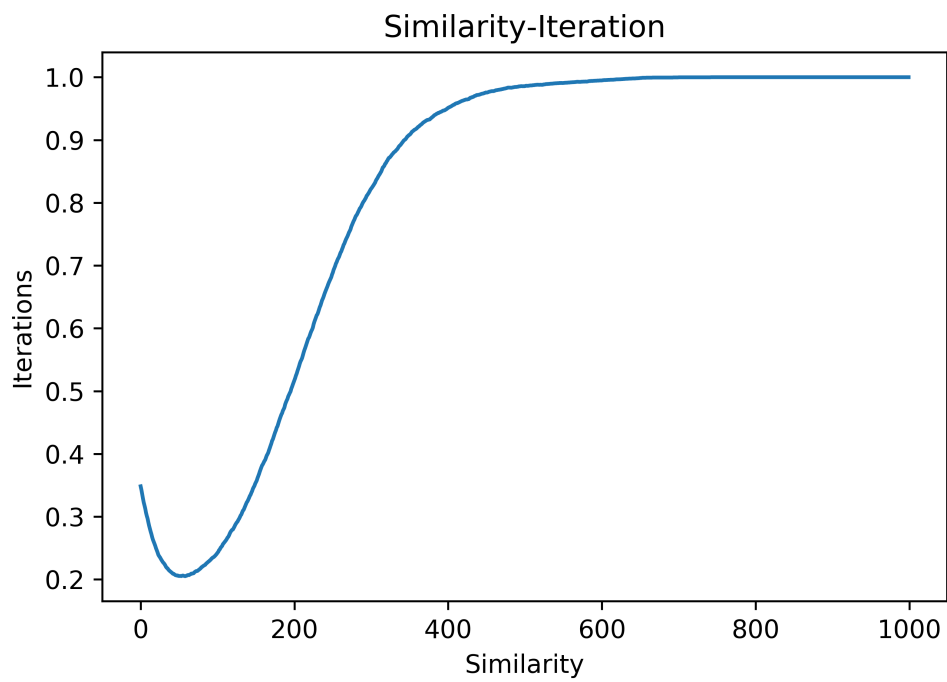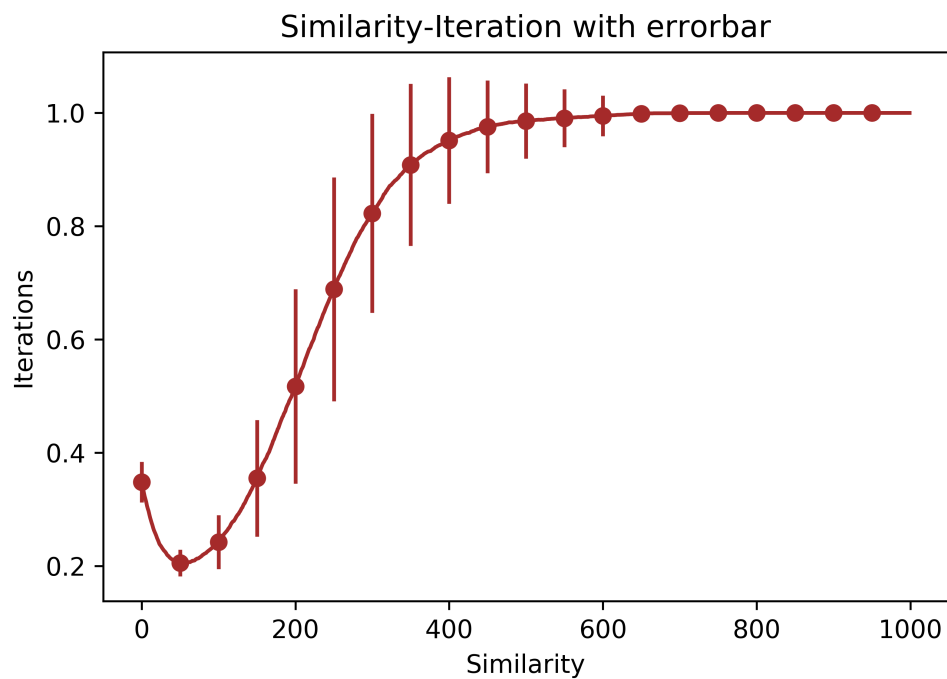

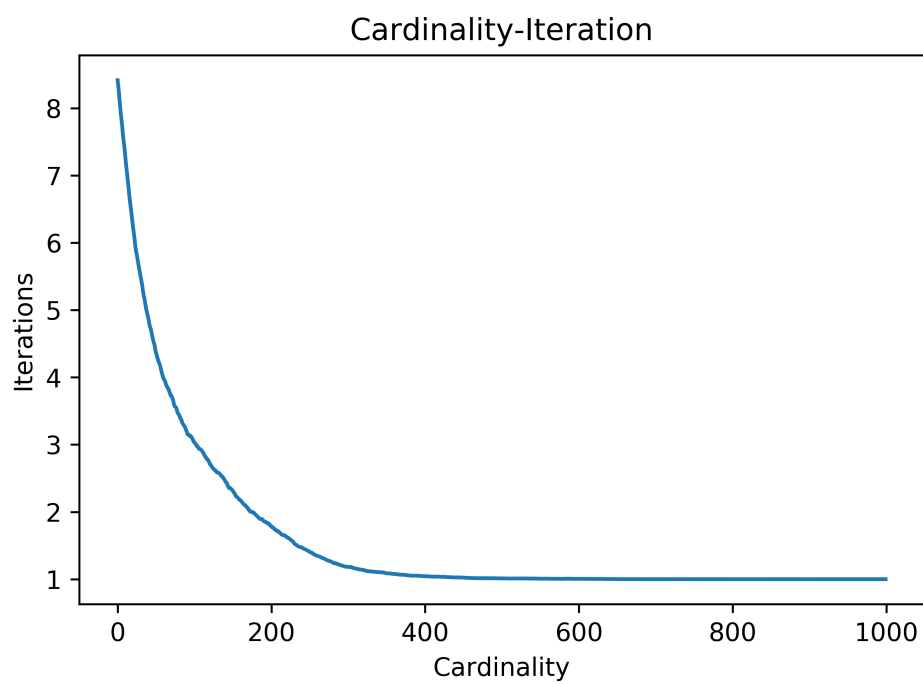Figure 7: Similarity

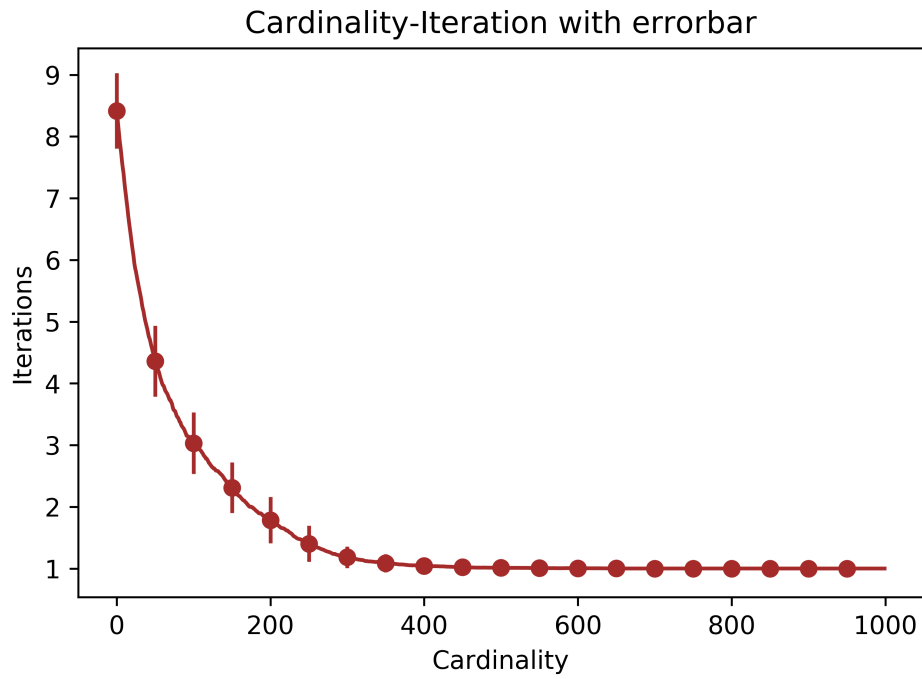Figure 8: Similarity with error bar

Figure 9: Cardinality

Figure 10: Cardinality with error bar

1.3   50_4_1000_300
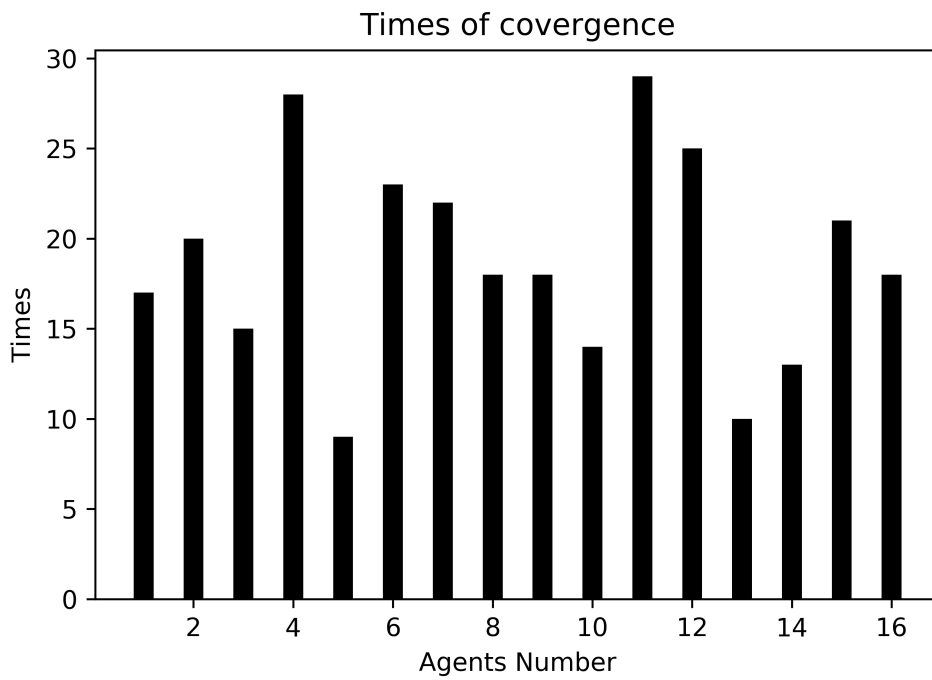
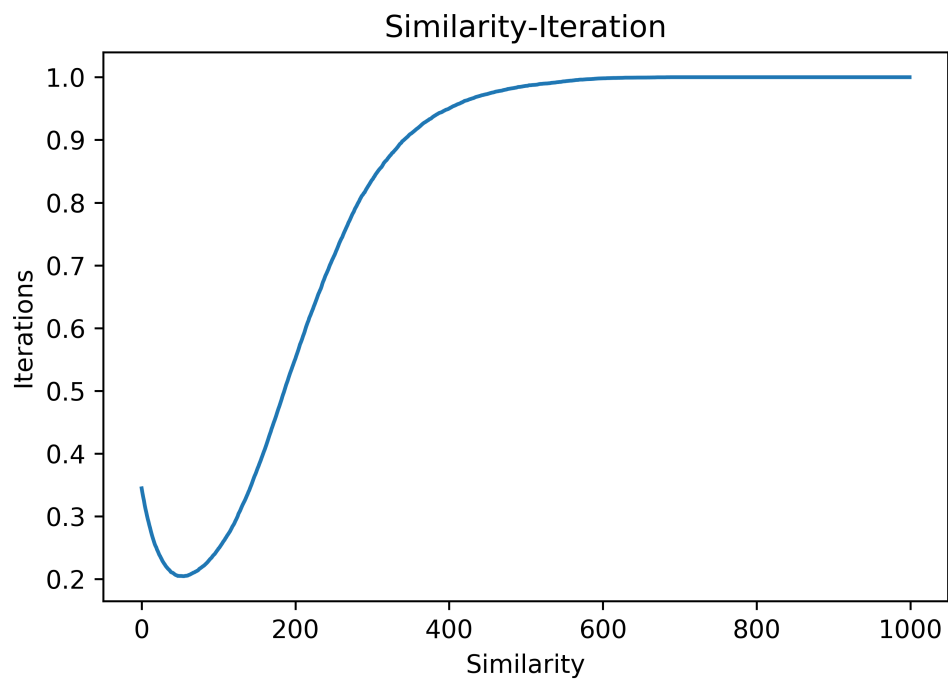Time used: 247.07707320986628

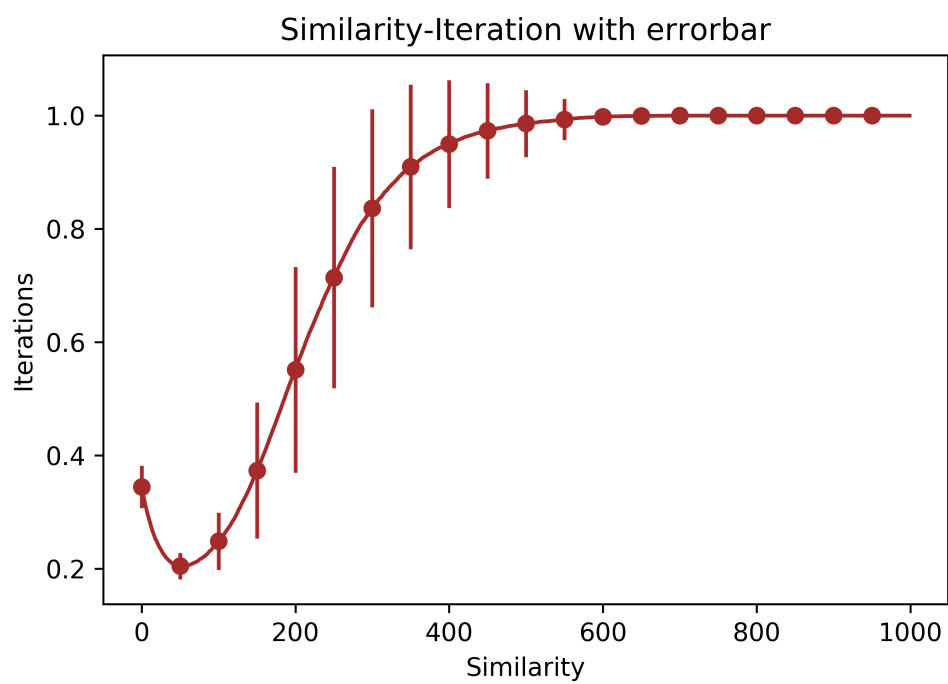Figure 11: Where the iterations converge

Figure 12: Similarity
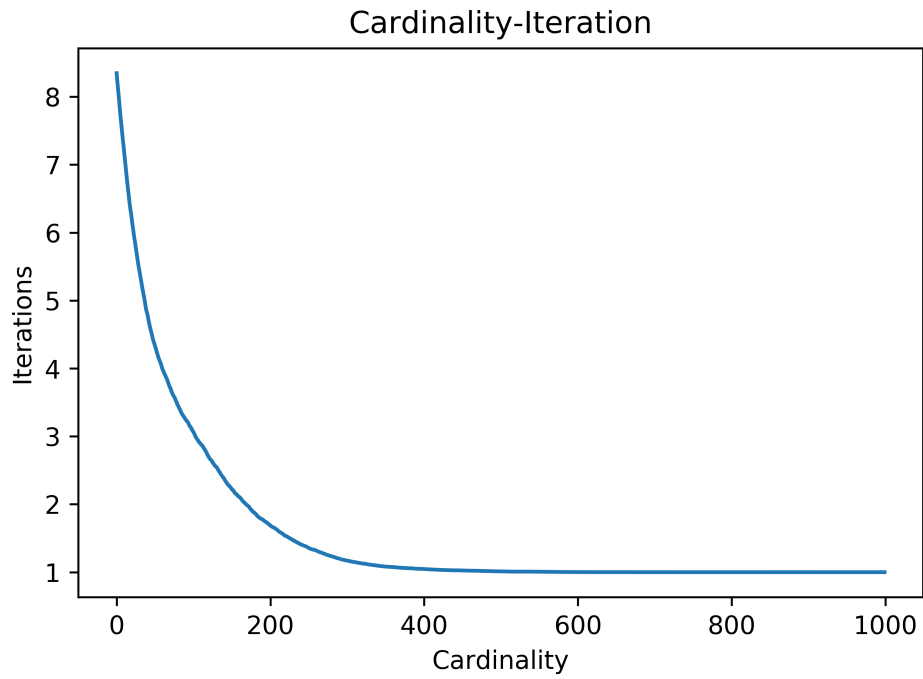

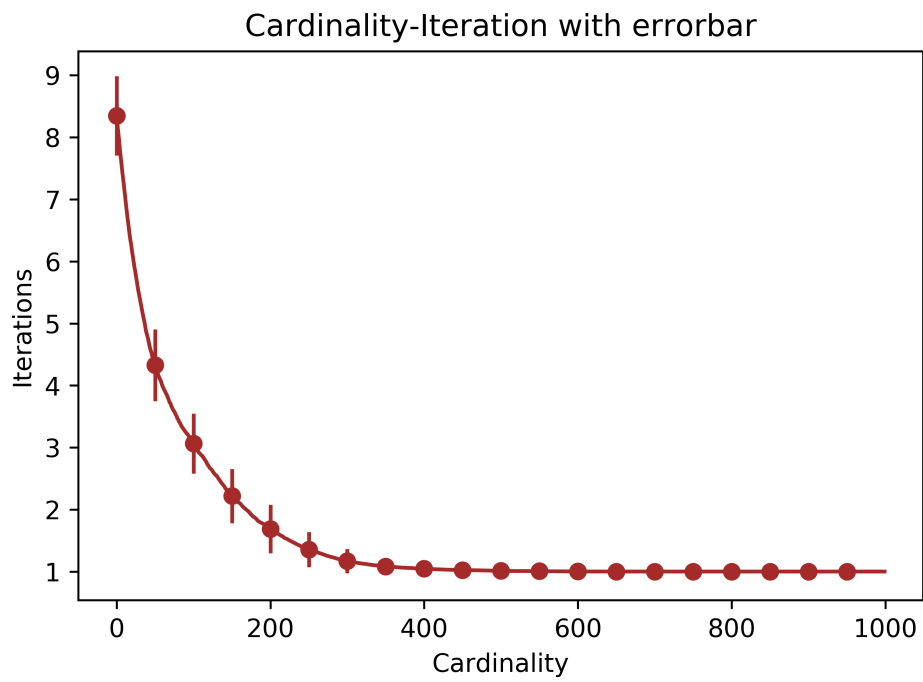Figure 13: Similarity with error bar

Figure 14: Cardinality

Figure 15: Cardinality with error bar

1.4   50_4_1000_800
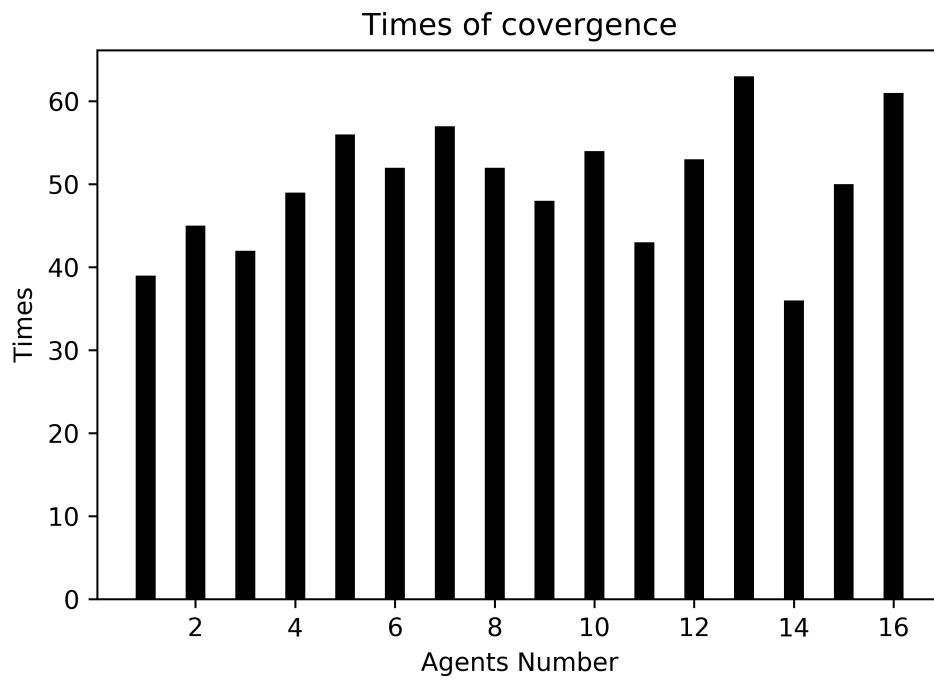
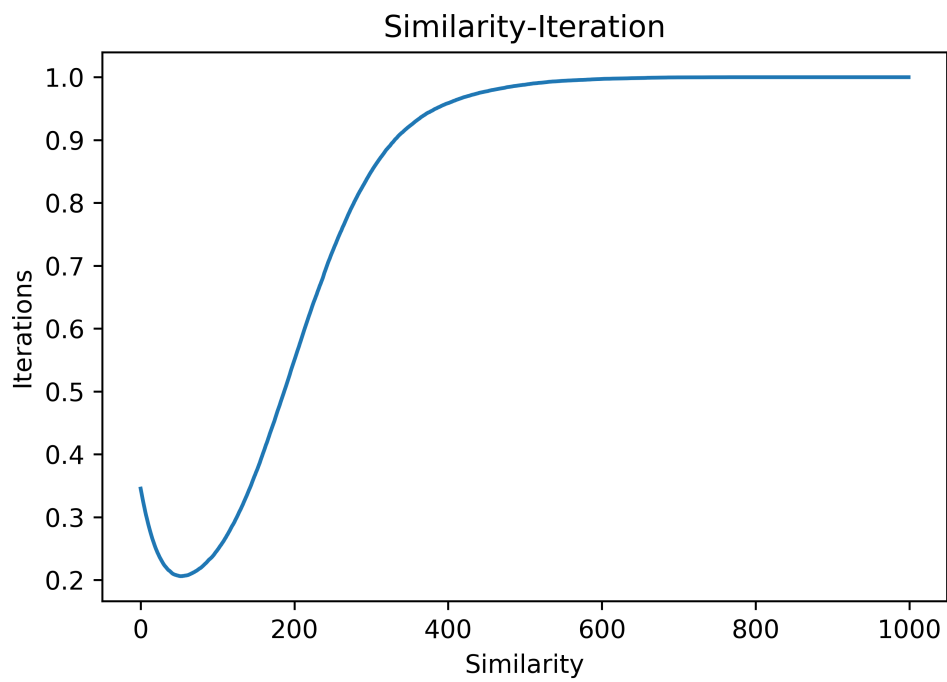Time used: 726.9702704230385

Figure 16: Where the iterations converge
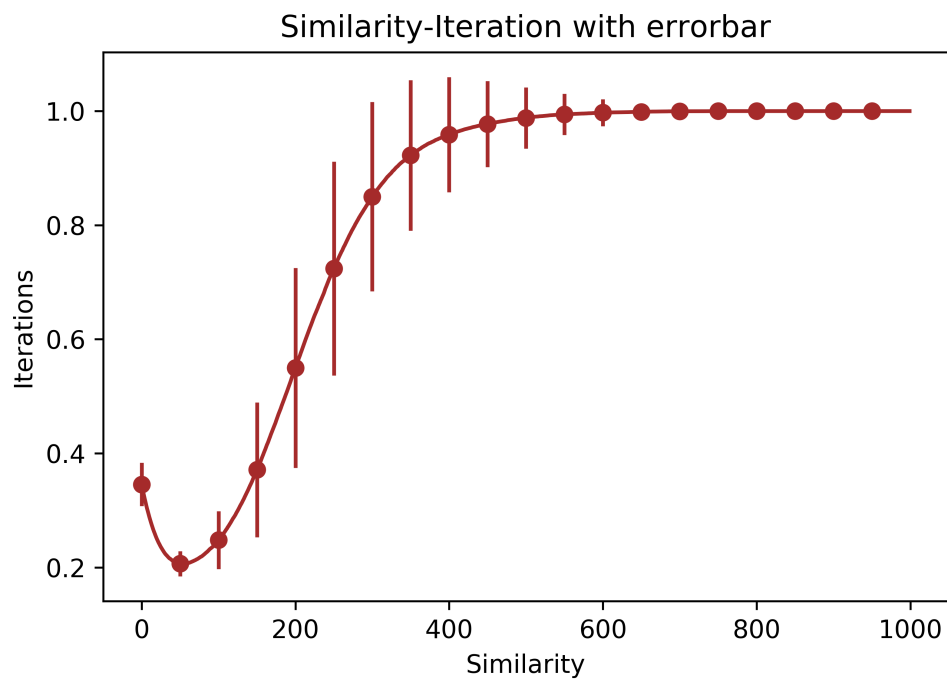

Figure 17: Similarity
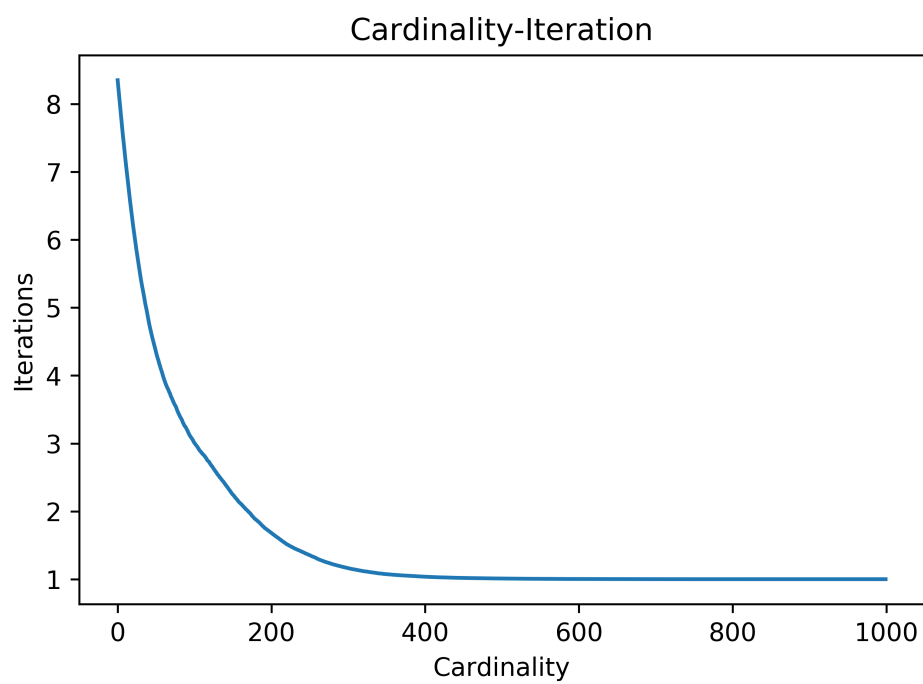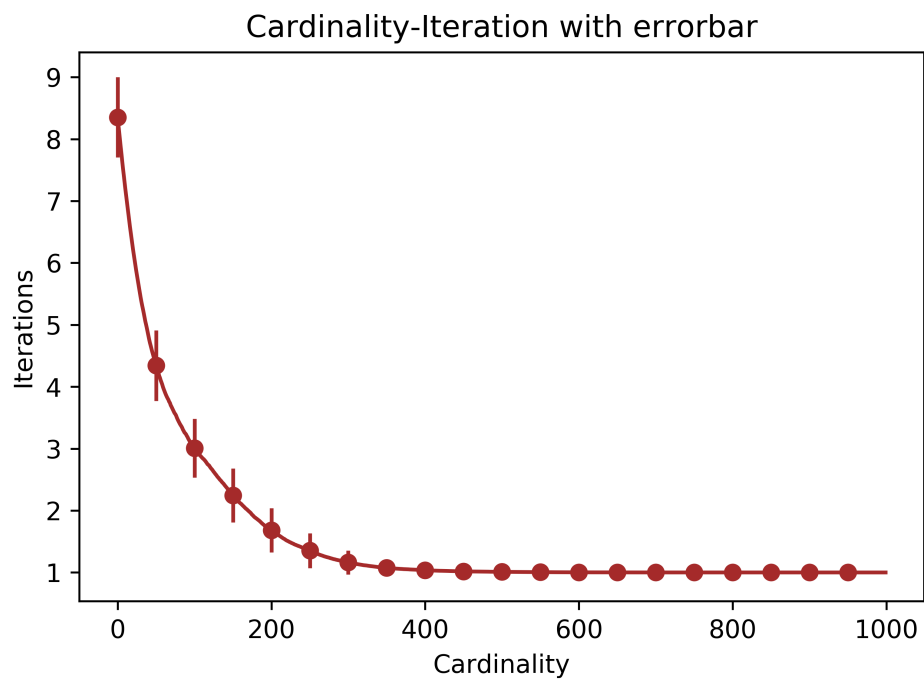
Figure 18: Similarity with error bar

Figure 19: Cardinality

Figure 20: Cardinality with error bar